

FS 247 Sapphire Edition: handmade by German craftsmen



The FS 247 Sapphire Edition is an improved version of ELAC's renowned FS 247 floorstanding loudspeakers. The FS 247 has consistently received rave reviews and garnered prizes worldwide.

Now with the release of the Sapphire Edition the FS 247 has taken on a new level of luxury, radiating pure elegance with its shiny black, high-gloss cabinet and high-quality metal grilles.

But, it's not just the captivating exterior which is worthy of mention.

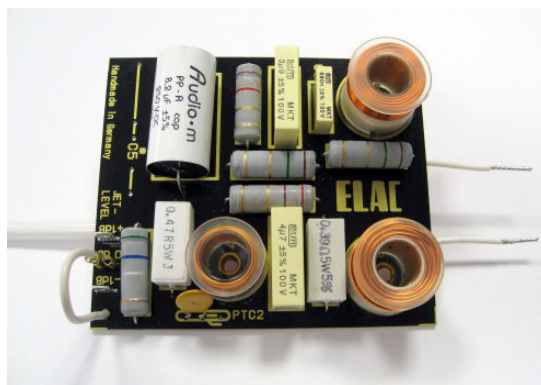
The updated crossover network has been fitted with top-class components and the internal wiring is provided by the UK's Chord Cable Company. These technical refinements, together with the high tech drivers, which of course come from ELAC's own in-house development and production facilities, combine to create an extraordinary speaker that sounds as good as it looks.

Technical features and characteristics:

- Components are used in the BS 247 Sapphire Edition that simply would not be possible in a standard production run. Only air-core coils are used, for example, which never reach saturation point and thus function without any

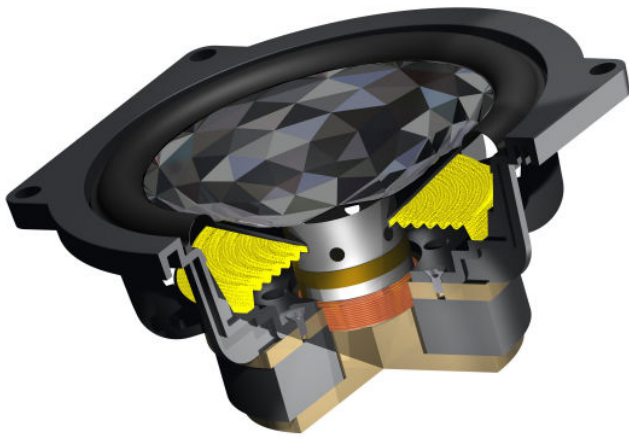
distortion at all. They are ideal for handling extremely high loads. The result is unbeatable accuracy.

- The heavy bass air-core coils are mounted on a separate board, so that optimum heat dispersal and mechanical integrity is guaranteed.



- Another example of the high-quality of materials is the use of silver-coated, oxygen free, Teflon insulated "twisted pair" copper cables from specialist British manufacturer "The Chord Company".
- The internal technical picture is completed by a high-quality ELAC bi-wiring terminal. The angled cable binding posts are easily accessible and suitable for larger cable cross sections (16 mm²) and high quality spade terminals (e.g. WBT products).

- Particular attention has been given to three-dimensional sound reproduction, as is the case with the "Classic FS 247 model", with the result that the room is evenly filled with sound. The design of the woofers is based on the renowned ELAC aluminium sandwich technology. The eye is drawn to the crystal-like surface of the aluminium cone. Break-up vibrations are significantly reduced, due to the new non-discontinuous surface structure. In addition, the diaphragm is even more rigid, with less distortion, which not only reduces break-up vibrations in the frequency range, but also results in improved harmonic distortion characteristics. The very high degree of rigidity of the aluminium cone makes it possible to connect the voice coil directly to the aluminium cone, in addition to the paper cone neck. This significantly extends the



frequency range. Reproduction is much more natural in the vocal range in particular, due to the extended broadband response.

- For the high frequencies, ELAC has employed its world renowned JET tweeter, long a favourite of reviewers and listeners alike. The tweeter's internal design has been reworked to yield an even more linear response and an improvement in harmonic distortion characteristics.



- The "JET-DC" acoustic tuning element, enclosed as an accessory and made of open-pored foam, quickly & easily adapts the high frequency output to help tame highly reverberant spaces.

- Each FS 247 Sapphire Edition features two different bass reflex tubes. One outputs to the rear, the other downwards onto the base plate. The base

plate acts as an extension and acoustic low-pass filter for the down firing tube opening.

- Optimum rear bass tuning has been achieved by sealing the bass reflex tube with the supplied bass control plug. Bass reproduction can be intensified by removing it.



Finishes: Sapphire Black

Specifications ELAC FS 247

Dimensions			
Height (with/without base plate/spikes)	935/993/1021		
Width (without/with base plate)	170/220		
Depth (without/with frame/base plate)	270/285/320 mm	Crossover frequency	450/2,500 Hz
Weight	17 kg	Nominal power handling	120 W
Type	2½ -way, bass reflex	Peak power handling	160 W
Woofer	2 x 150 mm AS-XR cone	Frequency range (IEC 268,5)	30 - 50000 Hz
Mid-range speaker		Sensitivity	89 dB/2.8V/m
Tweeter	JET III	Nominal impedance	4 Ohm
Rec. amplifier power at given nominal impedance	30 – 250 W / channel	Minimum impedance	3.4 Ohm at 210 Hz